

K012828

Premarket Notification 510(k)

Porta SMK 82

NOV 01 2001

**5. 510 (k) Summary**

**Submitter of 510(k):** Wieland Edelmetalle GmbH & Co.  
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Germany  
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**Contact person:** Dr. Gerhard Polzer  
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**Date of Summary:** 2001-07-21

**Trade name:** Porta SMK 82

**Classification name:** Alloy, gold based, for clinical use  
**Product code:** EJT  
**C.D.R section:** 872.3060  
**Classification:** Class II

**Legally marketed  
equivalent device:** Deva Plus  
**510(k) number:** K 921419

**Device description**

Porta SMK 82 is a gold-palladium ceramic alloy with high contents of noble metals (90.5%), intended for dental technicians to fabricate dental restorations.

It has an indication which ranges from single crowns up to long span bridges with two or more pontics and removable partials. It is free of copper and therefore suitable for telescopic and milling work.

Porta SMK 82 is highly corrosion resistant and has an excellent biocompatibility. It fully complies to the international standard ISO 9693 and fulfills the essential requirements of the European directive 93/42/ECC concerning medical devices.

Porta SMK 82 can be veneered with suitable dental ceramics and with dental composites.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

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Dr. Gerhard Polzer  
Director of Regulatory Affairs  
Weiland Edelmetalle GmbH & Company  
Schwenninger Strabe 13  
D-75179 Pforzheim,  
GERMANY

Re: K012828  
Trade/Device Name: Porta SMK 82, Model 2032  
Regulation Number: 872.3060  
Regulation Name: Alloy, Gold Based, For Clinical Use  
Regulatory Class: II  
Product Code: EJT  
Dated: October 18, 2001  
Received: October 22, 2001

Dear Dr. Polzer:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

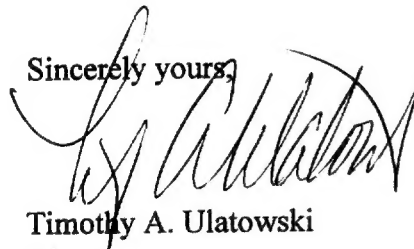
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements

of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4613. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



Timothy A. Ulatowski  
Director  
Division of Dental, Infection Control  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

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**4. Statement of indication for use**

Porta SMK 82 is a gold-palladium ceramic alloy that can be used by dental technicians to fabricate dental appliances for patients.

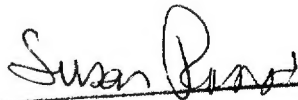
It is intended for manufacturing

- Partial crowns
- Crowns
- Short span bridges
- Long span bridges
- Removable partials

and can be used for

- Telescopic and milling work

Porta SMK 82 can be veneered with suitable dental ceramics as well as with dental-composites.



(Division Sign-Off)  
Division of Dental, Infection Control,  
and General Hospital Devices  
Premarket Number K012828